

PDR RID Report

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Section RT

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Figure Table NA

Category Name Design

Actionee HAIS

Sub Category

Subject Workstation Configuration

Description of Problem or Suggestion:

Allowing local users to configure their workstations to suit their operating needs provides a lot of flexibility to the user community. However, if they want to reconfigure to mirror the EOC configuration, it sounds as if they must essentially shut down. Also, if the user is ending a session and preparing to shut down for the day and would like to use the same configuration the next day, how can he/she easily save the configuration so that can come up in that configuration the next day?

Originator's Recommendation

<The design should accommodate the user moving from one configuration to another without shutting down.

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 1/13/95

HAIS R. E. D. Dunn

HAIS Response Date 1/18/95

A workstation in the FOS architecture may perform real-time and off-line processing in parallel or in serial and is not "configured" in the sense that its use is exclusive to a FOS function, application or a mode of a particular application. Users may also connect to multiple logical strings under varying configurations including mirrored and tailored telemetry processing modes. Section 4.1.2.2 of the FOS Design Specification provides an overview of the FOS workstation functions in the system architecture.

The FOS software architecture is designed so that whenever the "mirrored" mode of telemetry processing is specified when joining a logical string the current EOC configuration is provided and then maintained at the workstation throughout the lifetime of the logical string. When changing from one telemetry processing mode (i.e., mirrored or tailored) to another at a workstation (i.e., User Station/IST) for the same logical string the the FOS system will terminate the connection to the logical string and then rejoin the string specifying the desired mode. The user initiates the telemetry processing mode change via the FOS User Interface (FUI) subsystem. The mode change is performed with a brief interruption of telemetry processing at the user's workstation due to the transition of the telemetry software from one mode to the next. The FOS has plans to investigate the time delay imposed by the transition and will report on the findings at the FOS CDR.

The telemetry processing mode change described above results in the termination of the "tailored" mode connection to the logical string and the creation of a new connection to the string specifying the telemetry processing mode as "mirrored". In this scenario, other user configured functions processing in parallel to the telemetry processing continue on the workstation without being affected by the mode change. Section 4.3.3 of the FOS Design Specification will be updated to elaborate on the design for changing the mode of telemetry processing on the same logical string at the same workstation.

Section 8.1.2.2 of the FOS Design Specification describes how the user may save their user interface environment for easy reconfiguration. The FOS does not currently have a requirement to automatically save temporary limits for operator reconfiguration of their limit settings. However, temporary limits will be archived as events providing a historic account of operator entries. The system does provide the operator with the capability to extract their limit changes from the history log and create an operations procedure which they could run to reconstruct the limit definitions.

Status Closed

Date Closed 2/1/95

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